

EAST Search History

EAST Search History (Prior Art)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|--|------------------|---------|---------------------|
| L1 | 116 | (US-20050183669-\$ or US-20060075969-\$ or US-20050252454-\$ or US-20050163985-\$ or US-20050022746-\$ or US-20050045106-\$ or US-20040018749-\$ or US-20040244695-\$ or US-20040055709-\$ or US-20030047283-\$ or US-20030168168-\$ or US-20030162314-\$ or US-20030069632-\$ or US-20030035905-\$ or US-20020109954-\$ or US-20090284894-\$ or US-20030064225-\$ or US-20090142599-\$).dld. or (US-7019399-\$ or US-7160616-\$ or US-6753507-\$ or US-6998636-\$ or US-6696157-\$ or US-6851644-\$ or US-6749729-\$ or US-6579833-\$ or US-6669996-\$ or US-6595506-\$ or US-6508911-\$ or US-6551718-\$ or US-6537429-\$ or US-RE37294-\$ or US-6472062-\$ or US-6468642-\$ or US-6135054-\$ or US-6256187-\$ or US-6228471-\$ or US-6015597-\$ or US-5989511-\$ or US-6200675-\$ or US-5903428-\$ or US-5846613-\$ or US-5952060-\$ or US-5795648-\$).dld. or (US-5935323-\$ or US-5820723-\$ or US-5728465-\$ or US-5812362-\$ or US-5786068-\$ or US-5711814-\$ or US-5763851-\$ or US-5629086-\$ or US-5718976-\$ or US-5695565-\$ or US-5508071-\$ or US-5669644-\$ or US-5638251-\$ or US-5482602-\$ or US-5466431-\$ or US-5583736-\$ or US-5523121-\$ or US-5166856-\$ or US-5507874-\$ or US-5352493-\$ or US-4886565-\$ or US-H000566-\$ or US-5032243- | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2010/06/21 06:22 |

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|----|------|---|--------------------|----|----|---------------------|
| | | \$ or US-6197120-\$ or US-5112025-\$ or US-4902535-\$ or US-4933058-\$).did. or (US-5009966-\$ or US-6628598-\$ or US-6636413-\$ or US-5656093-\$).did. or (WO-9740207-\$ or WO-9712757-\$ or WO-9640446-\$ or FR-2726834-\$ or EP-322812-\$ or WO-2005054539-\$ or WO-9833948-\$ or EP-856592-\$ or WO-9641034-\$ or WO-9639943-\$).did. or JP-2002246455-\$ or JP-2000153630-\$ or JP-10217103-\$ or JP-08052835-\$ or JP-06348154-\$ or JP-06025856-\$ or JP-04026117-\$ or JP-01167211-\$).did. or (DE-1004004177-\$ or WO-2005054539-\$ or WO-200159175-\$ or JP-2000178736-\$ or EP-856592-\$ or US-5645900-\$ or US-5643423-\$ or EP-787222-\$ or JP-07243045-\$ or JP-2006110636-\$ or WO-2006001340-\$ or US-5352493-\$ or JP-04026117-\$ or WO-2005054540-\$ or EP-322812-\$ or JP-2003025134-\$ or JP-3057077-\$ or JP-10096082-\$ or US-5786068-\$ or US-5466431-\$ or EP-584707-\$ or JP-01167211-\$ or WO-0201611-\$ or JP-10203896-\$ or US-20050183669-\$).did. | | | | |
| L2 | 1005 | (diamond with like with carbon) and (carbon same hydrogen same oxygen same silicon) | US-PGPUB; USPAT | OR | ON | 2010/06/21 06:24 |
| L3 | 21 | 1 and 2 | US-PGPUB; USPAT | OR | ON | 2010/06/21 06:24 |
| L4 | 200 | (diamond with like with carbon) and (carbon same hydrogen same oxygen same silicon) and electrostatic | US-PGPUB; USPAT | OR | ON | 2010/06/21 06:24 |
| L5 | 1 | (diamond with like with carbon).clm. and (carbon same hydrogen same oxygen same silicon) and electrostatic.clm. | US-PGPUB; USPAT | OR | ON | 2010/06/21 06:25 |

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|-----|----|--|------------------------|----|----|------------------|
| L6 | 0 | (diamond with like with carbon) and (carbon same hydrogen same oxygen same silicon) and (279/128.ccls. 361/234.ccls.) | US-PGPUB; USPAT | OR | ON | 2010/06/21 06:35 |
| L7 | 0 | (diamond with carbon) and (carbon same hydrogen same oxygen same silicon) and (279/128.ccls. 361/234.ccls.) | US-PGPUB; USPAT | OR | ON | 2010/06/21 06:35 |
| L8 | 23 | (diamond with carbon) and (279/128.ccls. 361/234.ccls.) | US-PGPUB; USPAT | OR | ON | 2010/06/21 06:35 |
| L9 | 21 | (diamond with like with carbon) and (279/128.ccls. 361/234.ccls.) | US-PGPUB; USPAT | OR | ON | 2010/06/21 06:35 |
| L10 | 5 | (diamond with like with carbon) and (279/128.ccls. 361/234.ccls.) and silicon and oxygen | US-PGPUB; USPAT | OR | ON | 2010/06/21 06:36 |
| L11 | 15 | (diamond with carbon) and (279/128.ccls. 361/234.ccls.) and titanium | US-PGPUB; USPAT | OR | ON | 2010/06/21 06:36 |
| L12 | 4 | (diamond with carbon) and (279/128.ccls. 361/234.ccls.) and titanium and silicon and oxygen | US-PGPUB; USPAT | OR | ON | 2010/06/21 06:36 |
| L13 | 0 | (diamond with carbon) and (279/128.ccls. 361/234.ccls.) and titanium and silicon and oxygen and hydrogen | US-PGPUB; USPAT | OR | ON | 2010/06/21 06:36 |
| L14 | 13 | (diamond with carbon) and (279/128.ccls. 361/234.ccls.) and titanium and (silicon oxygen hydrogen) | US-PGPUB; USPAT | OR | ON | 2010/06/21 06:37 |
| L15 | 27 | ("4042479" "4737757" "4751518" "4778778" "4786916" "4847221" "5280156" "5306679" "5306895" "5314850" "5324053" "5367285" "5382469" "5384682" "5413360").PN. OR ("5668524").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/06/21 06:37 |
| L16 | 21 | (diamond with carbon) and (279/128.ccls. 361/234.ccls.) and (silicon oxygen hydrogen) | US-PGPUB; USPAT | OR | ON | 2010/06/21 06:39 |
| L17 | 0 | (diamond with carbon) and (279/128.ccls. 361/234.ccls.) and (silicon same oxygen same hydrogen) | US-PGPUB; USPAT | OR | ON | 2010/06/21 06:41 |

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| L18 | 29 | parkhe-vijay.in. ahmann-kurt.in. tsai-matthew.in. sansoni-steve.in. | US-PGPUB; USPAT | OR | ON | 2010/06/21 06:43 |
| L19 | 24 | parkhe-vijay.in. ahmann-kurt.in. tsai-matthew.in. sansoni-steve.in. and (diamond with like with carbon) | US-PGPUB; USPAT | OR | ON | 2010/06/21 06:43 |
| L20 | 2 | 19 and (diamond with like with carbon) | US-PGPUB; USPAT | OR | ON | 2010/06/21 06:52 |
| L21 | 2 | (parkhe-vijay.in. ahmann-kurt.in. tsai-matthew.in. sansoni-steve.in.) and (diamond with like with carbon) | US-PGPUB; USPAT | OR | ON | 2010/06/21 06:52 |
| L22 | 1 | ("2032243").PN | US-PGPUB; USPAT | OR | OFF | 2010/06/21 06:52 |
| L23 | 1 | ("5032243").PN. | US-PGPUB; USPAT | OR | OFF | 2010/06/21 06:52 |
| L27 | 2 | (diamond with carbon). clm. and (carbon same hydrogen same oxygen same silicon) and electrostatic.clm. | US-PGPUB; USPAT | OR | ON | 2010/06/21 07:07 |
| L28 | 200 | (diamond with like with carbon) and (carbon same hydrogen same oxygen same silicon) and electrostatic | US-PGPUB; USPAT | OR | ON | 2010/06/21 07:08 |
| L29 | 58 | (diamond with like with carbon) and (carbon same hydrogen same oxygen same silicon same "%") and electrostatic | US-PGPUB; USPAT | OR | ON | 2010/06/21 07:11 |
| L30 | 76 | (diamond with like with carbon) and (carbon same hydrogen same oxygen same silicon same ("% percent)) and electrostatic | US-PGPUB; USPAT | OR | ON | 2010/06/21 07:12 |
| L31 | 2 | (diamond with like with carbon) and (carbon same hydrogen same oxygen same silicon same ("% percent)) and electrostatic and friction and (roughness) and (hardness micro\$1hardness) | US-PGPUB; USPAT | OR | ON | 2010/06/21 07:13 |
| L33 | 2 | 31 and heat\$4 | US-PGPUB; USPAT | OR | ON | 2010/06/21 07:38 |

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|-----|------|---|----------------------|----|-----|---------------------|
| L34 | 19 | ("20040055709" "20050199585" "20050252454" "5041201" "5583736" "5728465" "5935323" "5952060" "6386963" "6447374" "6537429" "6595506" "6740393" "6759800" "6853043" "7160616" "7367872" "7407893" "7638440"). PN. | US-PGPUB; USPAT | OR | ON | 2010/06/21 07:47 |
| L35 | 2 | 19 and 28 | US-PGPUB; USPAT | OR | ON | 2010/06/21 07:48 |
| L36 | 1 | 34 and 28 | US-PGPUB; USPAT | OR | ON | 2010/06/21 07:48 |
| L37 | 1005 | (diamond with like with carbon) and (carbon same hydrogen same oxygen same silicon) | US-PGPUB; USPAT | OR | ON | 2010/06/21 07:49 |
| L38 | 2 | 34 and 37 | US-PGPUB; USPAT | OR | ON | 2010/06/21 07:49 |
| S7 | 6 | ((("6493629") or ("6340928") or ("6674403") or ("5977913") or ("6850735") or ("6714605")).PN. | US-PGPUB; USPAT | OR | OFF | 2006/06/13 20:32 |
| S8 | 3 | ((("5354381") or ("5572038") or ("5911832")).PN. | US-PGPUB; USPAT | OR | OFF | 2006/03/23 17:23 |
| S9 | 1 | ("6747464").PN. | US-PGPUB; USPAT | OR | OFF | 2006/03/23 17:23 |
| S10 | 0 | (118/715-733.ccls, 156/345.\$,ccls.) and (carbon same diamond same network same support\$3) | US-PGPUB; USPAT | OR | ON | 2006/06/13 21:17 |
| S11 | 0 | ((carbon with hydrogen with network) same support\$3 same (substrate semiconductor wafer workpiece)) | US-PGPUB; USPAT | OR | ON | 2006/06/13 20:35 |
| S12 | 0 | ((carbon with hydrogen with network) same support\$3 same (substrate semiconductor wafer workpiece)) | EPO; JPO; DERWENT | OR | ON | 2006/06/13 20:35 |
| S13 | 0 | ((carbon with hydrogen) same support\$3 same (substrate semiconductor wafer workpiece)) | EPO; JPO; DERWENT | OR | ON | 2006/06/13 20:34 |

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| S14 | 0 | ((carbon with hydrogen) same support\$3 same (substrate semiconductor wafer workpiece)) | US-PGPUB; USPAT | OR | ON | 2006/06/27 08:13 |
| S15 | 801 | ((carbon with hydrogen) same support\$3 same (substrate semiconductor wafer workpiece)) | US-PGPUB; USPAT | OR | ON | 2006/06/13 20:34 |
| S16 | 2 | ((118/715-733.ccls. 156/345.\$ ccls.) and (carbon same diamond same network same support\$3)) | US-PGPUB; USPAT | OR | ON | 2006/06/13 20:43 |
| S17 | 2 | ((carbon with hydrogen with network) same support \$3 same (substrate semiconductor wafer workpiece)) | US-PGPUB; USPAT | OR | ON | 2006/06/13 20:35 |
| S18 | 2 | ((carbon with hydrogen with network) same support \$3 same (substrate semiconductor wafer workpiece)) | EPO; JPO; DERWENT | OR | ON | 2006/06/13 20:35 |
| S19 | 801 | ((carbon with hydrogen) same support\$3 same (substrate semiconductor wafer workpiece)) | US-PGPUB; USPAT | OR | ON | 2006/06/13 20:48 |
| S20 | 39 | (diamond same (carbon with hydrogen) same support\$3 same (substrate semiconductor wafer workpiece)) | US-PGPUB; USPAT | OR | ON | 2006/06/13 20:36 |
| S21 | 2 | S20 and nanocomposite | US-PGPUB; USPAT | OR | ON | 2006/06/13 20:36 |
| S22 | 8 | S15 and nanocomposite | US-PGPUB; USPAT | OR | ON | 2006/06/13 20:36 |
| S23 | 36 | ((118/715-733.ccls. 156/345.\$ ccls.) and (carbon same diamond same support\$3)) | US-PGPUB; USPAT | OR | ON | 2006/06/13 20:43 |
| S24 | 3 | ((carbon with hydrogen) same support\$3 same (substrate semiconductor wafer workpiece) same friction same hardness) | US-PGPUB; USPAT | OR | ON | 2006/06/13 20:46 |
| S25 | 1 | ((carbon with hydrogen) same support\$3 same (substrate semiconductor wafer workpiece) same friction same hardness) | EPO; JPO; DERWENT | OR | ON | 2006/06/13 20:46 |
| S26 | 1 | ((carbon with hydrogen) same support\$3 same (friction same hardness) | EPO; JPO; DERWENT | OR | ON | 2006/06/13 20:46 |

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| S27 | 2 | ((carbon with diamond) same support\$3 same friction same hardness) | EPO, JPO, DERWENT | OR | ON | 2006/06/13 20:46 |
| S28 | 44 | ((carbon same hydrogen same silicon same oxygen) same support\$3 same (substrate semiconductor wafer workpiece)) | US-PGPUB; USPAT | OR | ON | 2006/06/13 20:48 |
| S29 | 1 | ((carbon same hydrogen same silicon same oxygen same composite) same support\$3 same (substrate semiconductor wafer workpiece)) | US-PGPUB; USPAT | OR | ON | 2006/06/13 20:48 |
| S30 | 6 | S28 and diamond | US-PGPUB; USPAT | OR | ON | 2006/06/13 20:48 |
| S31 | 0 | ("2003/0047283").URPN. | USPAT | OR | ON | 2006/06/13 21:00 |
| S32 | 636 | bekaert | US-PGPUB; USPAT | OR | ON | 2006/06/13 21:00 |
| S33 | 40 | bekaert and (diamond) | US-PGPUB; USPAT | OR | ON | 2006/06/13 21:00 |
| S34 | 40 | bekaert and (diamond diamond\$1like) | US-PGPUB; USPAT | OR | ON | 2006/06/13 21:01 |
| S35 | 2 | ("6200675").URPN. | USPAT | OR | ON | 2006/06/13 21:03 |
| S36 | 0 | ("6669996").URPN. | USPAT | OR | ON | 2006/06/13 21:04 |
| S37 | 0 | ("6669996").URPN. | USPAT | OR | ON | 2006/06/13 21:04 |
| S38 | 2 | ("6200675").URPN. | USPAT | OR | ON | 2006/06/13 21:04 |
| S39 | 0 | (118/715-733.ccls. 156/345.\$ ccls.) and (cdlyln) | US-PGPUB; USPAT | OR | ON | 2006/06/13 21:08 |
| S40 | 0 | (118/715-733.ccls. 156/345.\$ ccls.) and (dlyln) | US-PGPUB; USPAT | OR | ON | 2006/06/13 21:08 |
| S41 | 31 | (dlyln) | US-PGPUB; USPAT | OR | ON | 2006/06/13 21:08 |
| S42 | 0 | (118/715-733.ccls. 156/345.\$ ccls.) and (S41) | US-PGPUB; USPAT | OR | ON | 2006/06/13 21:08 |
| S43 | 7 | (S41) and (support\$3 with (substrate semiconductor wafer workpiece)) | US-PGPUB; USPAT | OR | ON | 2006/06/13 21:09 |
| S44 | 0 | (delryln) and (support\$3 with (substrate semiconductor wafer workpiece)) | EPO, JPO, DERWENT | OR | ON | 2006/06/13 21:09 |

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| S45 | 0 | (dlyn) and (support\$3 with (substrate semiconductor wafer workpiece)) | EPO; JPO; DERWENT | OR | ON | 2006/06/13 21:10 |
| S46 | 0 | (dln) and (support\$3 with (substrate semiconductor wafer workpiece)) | EPO; JPO; DERWENT | OR | ON | 2006/06/13 21:11 |
| S47 | 0 | (belaert) and (support\$3 with (substrate semiconductor wafer workpiece)) | EPO; JPO; DERWENT | OR | ON | 2006/06/13 21:11 |
| S48 | 2 | (bekaert) and (support\$3 with (substrate semiconductor wafer workpiece)) | EPO; JPO; DERWENT | OR | ON | 2006/06/13 21:11 |
| S49 | 420 | ((118/715-733.ccls. 156/345.\$ccls.) and (carbon same (diamond diamond\$1like) support \$3) | US-PGPUB; USPAT | OR | ON | 2006/06/13 21:17 |
| S50 | 9617 | ((118/715-733.ccls. 156/345.\$ccls.) and (carbon same (diamond diamond\$1like) support\$3) | US-PGPUB; USPAT | OR | ON | 2006/06/13 21:17 |
| S51 | 36 | ((118/715-733.ccls. 156/345.\$ccls.) and (carbon same (diamond diamond\$1like)same support\$3) | US-PGPUB; USPAT | OR | ON | 2006/06/13 21:18 |
| S52 | 1034 | ((shield\$3 lin\$3) with (provid \$3 cover\$3 protect\$3) with (bottom) with chamber | US-PGPUB; USPAT | OR | ON | 2006/06/14 09:21 |
| S53 | 70 | ((118/715-733.ccls. 156/345.\$ccls.) and ((shield\$3 lin\$3) with (provid\$3 cover\$3 protect \$3) with (bottom) with chamber) | US-PGPUB; USPAT | OR | ON | 2006/06/14 09:21 |
| S54 | 55 | ((118/715-733.ccls. 156/345.\$ccls.) and ((shield shielding liner) with (provid\$3 cover\$3 protect\$3) with (bottom) with chamber) | US-PGPUB; USPAT | OR | ON | 2006/06/14 09:31 |
| S55 | 9 | ((118/715-733.ccls. 156/345.\$ccls.) and ((inner \$1chamber sub\$1chamber) with (liner shield)) | US-PGPUB; USPAT | OR | ON | 2006/06/14 09:32 |
| S56 | 2 | ((("5352493" or ("5466431")).PN. | US-PGPUB; USPAT | OR | OFF | 2006/06/15 17:46 |
| S57 | 44 | ((("5466431").URPN. | USPAT | OR | ON | 2006/06/15 17:48 |

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|-----|-----|--|----------------------|----|----|---------------------|
| S58 | 9 | S57 and susceptor | US-PGPUB; USPAT | OR | ON | 2006/06/15 17:49 |
| S59 | 0 | dln with susceptor | US-PGPUB; USPAT | OR | ON | 2006/06/15 17:49 |
| S60 | 0 | dln with susceptor | EPO; JPO; DERWENT | OR | ON | 2006/06/15 17:49 |
| S61 | 3 | dln and ((118/728-732.ccls. 156/345.51-345.55.ccls.) | US-PGPUB; USPAT | OR | ON | 2006/06/15 17:51 |
| S62 | 961 | dln | US-PGPUB; USPAT | OR | ON | 2006/06/15 17:50 |
| S63 | 3 | dln and ((118/728-732.ccls. 156/345.51-345.55.ccls.) | US-PGPUB; USPAT | OR | ON | 2006/06/15 18:01 |
| S64 | 178 | dln and ((substrate wafer semiconductor substrate) same (support\$4 hold\$4 table susceptor)) | US-PGPUB; USPAT | OR | ON | 2006/06/15 17:53 |
| S65 | 123 | dln and ((substrate wafer semiconductor substrate) with (support\$4 hold\$4 table susceptor)) | US-PGPUB; USPAT | OR | ON | 2006/06/15 17:52 |
| S66 | 9 | dln same((substrate wafer semiconductor substrate) with (support\$4 hold\$4 table susceptor)) | US-PGPUB; USPAT | OR | ON | 2006/06/15 17:52 |
| S67 | 0 | dln and ((substrate wafer semiconductor substrate) same (support\$4 hold\$4 table susceptor)) | EPO; JPO; DERWENT | OR | ON | 2006/06/15 18:20 |
| S68 | 0 | dln and ((substrate wafer semiconductor substrate) and (support\$4 hold\$4 table susceptor)) | EPO; JPO; DERWENT | OR | ON | 2006/06/15 17:54 |
| S69 | 2 | dln and ((support\$4 hold\$4 table susceptor)) | EPO; JPO; DERWENT | OR | ON | 2006/06/15 17:54 |
| S70 | 7 | diamond and nanocomposite and ((support\$4 hold\$4 table susceptor)) | EPO; JPO; DERWENT | OR | ON | 2006/06/15 17:56 |
| S71 | 17 | diamond and nanocomposite and (substrate wafer) | EPO; JPO; DERWENT | OR | ON | 2006/06/15 17:56 |
| S72 | 5 | (diamond\$5 with carbon with \$5composite) and (118/728-732.ccls. 156/345.51-345.55.ccls.) | US-PGPUB; USPAT | OR | ON | 2006/06/15 18:00 |
| S73 | 6 | (diamond\$5 with carbon with \$5composite) and (susceptor) | US-PGPUB; USPAT | OR | ON | 2006/06/15 18:00 |
| S74 | 83 | (diamond same carbon) and (118/728-732.ccls. 156/345.51-345.55.ccls.) | US-PGPUB; USPAT | OR | ON | 2006/06/15 18:24 |

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| S75 | 70 | (diamond with carbon) and (118/728-732.cds. 156/345.51-345.55.cds.) | US-PGPUB; USPAT | OR | ON | 2006/06/15 18:14 |
| S77 | 5 | ("6595506").URPN. | USPAT | OR | ON | 2006/06/15 18:16 |
| S78 | 0 | ("6595506").URPN. and diamond | USPAT | OR | ON | 2006/06/15 18:16 |
| S79 | 0 | ("6595506").URPN. and diamond\$5 | USPAT | OR | ON | 2006/06/15 18:16 |
| S80 | 0 | S77 and diamond\$5 | USPAT | OR | ON | 2006/06/15 18:16 |
| S81 | 12 | ("5166856" "5324012" "5583736" "5707409" "5812362" "5924917" "5935323" "5989693" "6086796" "6135054" "6256187" "6316734"). PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/06/15 18:17 |
| S82 | 2 | "01167211" | EPO; JPO; DERWENT | OR | ON | 2006/06/15 18:20 |
| S83 | 305 | (diamond\$5 with carbon) and ((substrate wafer semiconductor substrate) same (support\$4 hold\$4 table susceptor)) | EPO; JPO; DERWENT | OR | ON | 2006/06/15 18:24 |
| S84 | 283 | (diamond\$5 with carbon) and ((substrate wafer semiconductor substrate) with (support\$4 hold\$4 table susceptor)) | EPO; JPO; DERWENT | OR | ON | 2006/06/15 18:25 |
| S85 | 170 | (diamond\$5 with carbon) same ((substrate wafer semiconductor substrate) with (support\$4 hold\$4 table susceptor)) | EPO; JPO; DERWENT | OR | ON | 2006/06/15 18:25 |
| S86 | 68 | ("diamond-like" with carbon) same ((substrate wafer semiconductor substrate) with (support\$4 hold\$4 table susceptor)) | EPO; JPO; DERWENT | OR | ON | 2006/06/15 18:25 |
| S87 | 72 | (diamond\$1like with carbon) same ((substrate wafer semiconductor substrate) with (support\$4 hold\$4 table susceptor)) | EPO; JPO; DERWENT | OR | ON | 2006/06/15 18:37 |

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| S88 | 35 | (diamond\$1like with carbon) same ((substrate wafer semiconductor substrate) with (support\$4 hold\$4 table susceptor chuck electrostatic "esc" clamp)) same (protect\$4 prohibit\$4 wear resist\$4 hard\$4 friction\$4 elas\$7 abras\$5) | EPO; JPO; DERWENT | OR | ON | 2006/06/15 18:28 |
| S89 | 1 | ("5952060").PN. | US-PGPUB; USPAT | OR | OFF | 2006/06/15 18:34 |
| S90 | 1 | (diamond\$1like with carbon with nano \$1composite) and electrostatic | EPO; JPO; DERWENT | OR | ON | 2006/06/15 18:38 |
| S91 | 6 | (diamond\$1like with carbon with nano \$1composite) and electrostatic | US-PGPUB; USPAT | OR | ON | 2006/06/15 18:39 |
| S92 | 9 | (diamond\$1like with nano \$1composite) and electrostatic | US-PGPUB; USPAT | OR | ON | 2006/06/15 18:41 |
| S93 | 10 | (diamond\$1like with nano \$1composite) and electrostatic\$5 | US-PGPUB; USPAT | OR | ON | 2006/06/15 18:41 |
| S94 | 1 | S93 not S92 | US-PGPUB; USPAT | OR | ON | 2006/06/15 18:41 |
| S95 | 1 | (diamond\$1like with nano \$1composite) and electrostatic\$5 | EPO; JPO; DERWENT | OR | ON | 2006/06/15 18:42 |
| S96 | 5 | "856592" | EPO; JPO; DERWENT | OR | ON | 2006/06/15 18:42 |
| S97 | 2 | ((("5352493") or ("6228471")).PN. | US-PGPUB; USPAT | OR | OFF | 2006/06/26 17:00 |
| S98 | 1 | ("20030047283").PN. | US-PGPUB; USPAT | OR | OFF | 2006/06/26 17:00 |
| S99 | 1 | ("6595506").PN. | US-PGPUB; USPAT | OR | OFF | 2006/06/27 07:58 |
| S100 | 0 | (118/715-733.ccls. 156/345.\$.ccls.) and (quasam) | US-PGPUB; USPAT | OR | ON | 2006/06/27 08:12 |
| S101 | 0 | (quasam) same support \$3 same (substrate semiconductor wafer workpiece) | US-PGPUB; USPAT | OR | ON | 2006/06/27 08:13 |
| S102 | 4 | (quasam) | US-PGPUB; USPAT | OR | ON | 2006/06/27 08:21 |
| S103 | 1 | 10/247,999 | US-PGPUB; USPAT | OR | ON | 2006/06/27 08:21 |
| S104 | 2 | 10/247,499 | US-PGPUB; USPAT | OR | ON | 2006/06/27 08:21 |

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|------|----|---|--|----|----|---------------------|
| S105 | 9 | ("5952060").URPN. | USPAT | OR | ON | 2006/06/27 08:30 |
| S106 | 37 | ("4340462" "4491496" "4534816" "4612077" "4948458" "5006200" "5022979" "5200232" "5262029" "5268200" "5308661" "5366585" "5393572" "5494713" "5522932" "5569356" "5641375" "5680013" "5798016" "5812362" "5820723" "5824605" "5838529" "5846613" "5863376" "5879523" "5885356" "5888907" "5891253" "5895586" "5904778" "5916370" "5952060" "5989511" "6015597" "6048798" "6071828").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/06/27 08:34 |
| S107 | 1 | S106 and (dlyln dln) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/06/27 08:34 |
| S108 | 11 | ("6015597").URPN. | USPAT | OR | ON | 2006/06/27 08:35 |
| S109 | 75 | (US-20030047283-\$ or US- 20050183669-\$ or US- 20050252454-\$ or US- 20060075969-\$ or US- 20050045106-\$ or US- 20040244695-\$ or US- 20040055709-\$ or US- 20030069632-\$ or US- 20040018749-\$ or US- 20030168168-\$ or US- 20050022746-\$ or US- 20030162314-\$ or US- 20050163985-\$).did. or (US-6228471-\$ or US- 5352493-\$ or US-6508911- \$ or US-5508071-\$ or US- 6579833-\$ or US-5695565- \$ or US-5507874-\$ or US- 5638251-\$ or US-H000566- \$ or US-5786068-\$ or US- 5728465-\$ or US-6998636- \$ or US-6472062-\$ or US- 6200675-\$ or US-7019399- \$ or US-6669996-\$ or US- 6468642-\$ or US-6696157- \$ or US-5763851-\$ or US- 5466431-\$ or US-5718976- \$ or US-5795648-\$ or US- 4886565-\$ or US-6753507- \$ or US-6749729-\$ or US- 5711814-\$).did. or (US- 6595506-\$ or US-6256187- \$ or US-6135054-\$ or US- | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/06/27 08:44 |

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|------|-----|---|-----------------------|----|-----|---------------------|
| | | 5935323-\$ or US-5812362-\$ or US-5583736-\$ or US-5166856-\$ or US-5952060-\$ or US-6537429-\$ or US-6015597-\$ or US-6551718-\$ or US-5820723-\$ or US-5846613-\$ or US-5989511-\$).did. or (WO-9712757-\$ or WO-9640446-\$ or WO-9639943-\$ or WO-2005054539-\$ or WO-9641034-\$ or WO-9833948-\$ or EP-856592-\$ or WO-9740207-\$).did. or (JP-01167211-\$ or JP-2002246455-\$ or JP-06348154-\$ or JP-06025856-\$).did. or (DE-1004004177-\$ or WO-200159175-\$ or WO-2005054539-\$ or US-5466431-\$ or WO-2005054540-\$ or US-5352493-\$ or JP-01167211-\$ or US-5786068-\$ or EP-856592-\$ or JP-10096082-\$).did. | | | | |
| S110 | 21 | S109 and titanium | US-PGPUB; USPAT | OR | ON | 2006/06/27 09:01 |
| S111 | 0 | "2004055709" | US-PGPUB; USPAT | OR | ON | 2006/06/27 09:01 |
| S112 | 1 | "2004055709" | US-PGPUB; USPAT | OR | ON | 2006/06/27 09:42 |
| S113 | 26 | parkhe-vijay.in. ahmann-kurt.in. tsai-matthew.in. sansoni-steve.in. | US-PGPUB; USPAT | OR | ON | 2006/06/27 09:42 |
| S114 | 4 | ((("5935323") or ("5952060") or ("6537429") or ("6595506")).PN. | US-PGPUB; USPAT | OR | OFF | 2007/06/25 15:19 |
| S115 | 4 | ((("4987004") or ("5041201") or ("5458754") or ("5669644")).PN. | US-PGPUB; USPAT | OR | OFF | 2007/06/25 15:29 |
| S116 | 1 | S115 and titanium | US-PGPUB; USPAT | OR | ON | 2007/06/25 15:31 |
| S117 | 185 | (diamond with like) same carbon same titanium | EPO; JIPO; DERWENT | OR | ON | 2007/06/25 16:33 |
| S118 | 52 | S117 and (substrate wafer semiconductor electrode workpiece) | EPO; JIPO; DERWENT | OR | ON | 2007/06/25 15:55 |
| S119 | 2 | "04026117" | EPO; JIPO; DERWENT | OR | ON | 2007/06/25 15:56 |
| S120 | 3 | "2000015565" | EPO; JIPO; DERWENT | OR | ON | 2007/06/25 15:56 |

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|------|----|--|---------------------------|----|-----|---------------------|
| S121 | 3 | "2001105303" | EPO, JPO, DERWENT | OR | ON | 2007/06/25 16:01 |
| S122 | 0 | ("5482602" "6228471" "61424B1" "6325385" "71410B1" "6851644" "RE37294").PN | US-PGPUB; USPAT | OR | OFF | 2007/06/25 16:01 |
| S123 | 5 | ("5482602" "6228471" "61424B1" "6325385" "71410B1" "6851644" "RE37294").PN | US-PGPUB; USPAT | OR | ON | 2007/06/25 16:01 |
| S124 | 34 | ("5482602").URPN | USPAT | OR | ON | 2007/06/25 16:09 |
| S125 | 0 | ((diamond with like) with carbon same titanium) same ((susceptor holder table) with support\$3 with (substrate wafer semiconductor workpiece)) | US-PGPUB; USPAT | OR | ON | 2007/06/25 16:13 |
| S126 | 13 | ((diamond with like) with carbon same titanium) same ((susceptor hold\$3 table support\$3) with (substrate wafer semiconductor workpiece)) | US-PGPUB; USPAT | OR | ON | 2007/06/25 16:13 |
| S127 | 25 | ("4486286" "4698256" "4749587" "4869923" "4877677" "4919974" "4992153" "4996079" "5013579" "5147687" "5237967" "5306408" "5411797" "5523121" "5562982" "5626922" "5629086" "5637373" "5688557" "5707748" "5709784" "5750210" "5768046" "5942317" "6066399").PN | US-PGPUB; USPAT; USOCR | OR | ON | 2007/06/25 16:22 |
| S128 | 1 | S127 and susceptor | US-PGPUB; USPAT; USOCR | OR | ON | 2007/06/25 16:24 |
| S129 | 9 | S127 and ((wafer substrate semiconductor) with support\$3) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/06/25 16:24 |
| S130 | 2 | (118/725,728-732.ccls. 156/345.51-345.55.ccls.) and ((electrode anode cathode) same (diamond with like) same carbon same titanium) | US-PGPUB; USPAT | OR | ON | 2007/06/25 17:00 |
| S131 | 98 | ((electrode anode cathode) same (diamond with like) same carbon same titanium) | US-PGPUB; USPAT | OR | ON | 2007/06/25 16:36 |

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|------|----|---|------------------------------------|----|----|------------------|
| S132 | 66 | support\$3 and ((electrode anode cathode) same (diamond with like) same carbon same titanium) | US-PGPUB; USPAT | OR | ON | 2007/06/25 16:36 |
| S133 | 69 | support\$3 and ((electrode anode cathode) same (diamond with like) same carbon same titanium) | US-PGPUB; USPAT | OR | ON | 2007/06/25 16:46 |
| S134 | 61 | ((support\$3 and ((electrode anode cathode) same (diamond with like) same carbon same titanium)) and (wafer substrate semiconductor workpiece) | US-PGPUB; USPAT | OR | ON | 2007/06/25 16:36 |
| S135 | 3 | ("5935323").URPN. | USPAT | OR | ON | 2007/06/25 16:45 |
| S136 | 5 | ("5413772" "5614140" "5635243" "5648127" "5707409").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/06/25 16:45 |
| S137 | 4 | susceptor and ((electrode anode cathode) same (diamond with like) same carbon same titanium) | US-PGPUB; USPAT | OR | ON | 2007/06/25 16:47 |
| S138 | 0 | susceptor and ((electrode anode cathode) same (diamond with like) same carbon same titanium) | EPO; JPO; DERWENT | OR | ON | 2007/06/25 16:47 |
| S139 | 96 | (US-20050045106-\$ or US-20050163985-\$ or US-20040055709-\$ or US-20040018749-\$ or US-20050183669-\$ or US-20040244695-\$ or US-20030162314-\$ or US-20030047283-\$ or US-20030069632-\$ or US-20030168168-\$ or US-20050252454-\$ or US-20060075969-\$ or US-20050022746-\$).did. or (US-6472062-\$ or US-6508911-\$ or US-6537429-\$ or US-5711814-\$ or US-6468642-\$ or US-5638251-\$ or US-H000566-\$ or US-6015597-\$ or US-5935323-\$ or US-6256187-\$ or US-6228471-\$ or US-6595506-\$ or US-6579833-\$ or US-5952060-\$ or US-5989511-\$ or US-5508071-\$ or US-6200675-\$ or US-5466431-\$ or US-5728465-\$ or US-6749729-\$ or US-5583736-\$ or US-5695565-\$ or US-5718976-\$ or US-4886565-\$ or US-5786068-\$ or US- | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/06/25 16:47 |

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|------|-------|---|----------------------|----|----|---------------------|
| | | 5507874-\$).did. or US-5795648-\$ or US-6998636-\$ or US-5812362-\$ or US-5820723-\$ or US-5352493-\$ or US-5903428-\$ or US-5846613-\$ or US-5763851-\$ or US-6551718-\$ or US-6753507-\$ or US-5166856-\$ or US-6669996-\$ or US-7019399-\$ or US-6696157-\$ or US-6135054-\$ or US-5482602-\$ or US-6851644-\$ or US-RE37294-\$ or US-7160616-\$ or US-5523121-\$ or US-5629086-\$).did. or (EP-856592-\$ or WO-9740207-\$ or WO-9712757-\$ or WO-9833948-\$ or WO-9641034-\$ or WO-9640446-\$ or WO-9639943-\$ or WO-2005054539-\$ or EP-322812-\$ or FR-2726834-\$).did. or (JP-01167211-\$ or JP-2002246455-\$ or JP-06348154-\$ or JP-06025856-\$ or JP-08052835-\$ or JP-2000153630-\$ or JP-04026117-\$).did. or (JP-10096082-\$ or EP-856592-\$ or WO-2005054539-\$ or WO-200159175-\$ or US-5352493-\$ or US-5466431-\$ or DE-1004004177-\$ or WO-2005054540-\$ or JP-01167211-\$ or US-5786068-\$ or EP-322812-\$ or EP-584707-\$ or JP-07243045-\$ or US-5643423-\$ or US-5645900-\$ or JP-2003025134-\$ or WO-2006001340-\$ or JP-04026117-\$ or JP-2006110636-\$).did. | | | | |
| S140 | 8 | (118/725,728-732.ccls. 156/345.51-345.55.ccls.) and ((diamond with like with carbon) same titanium) | US-PGPUB; USPAT | OR | ON | 2007/06/25 16:52 |
| S141 | 31 | (h011021\$.ipc. c23c016\$.ipc. c23f001\$.ipc.) and ((diamond with like with carbon) same titanium) | EPO; JPO; DERWENT | OR | ON | 2007/06/25 16:53 |
| S142 | 32271 | mesa | US-PGPUB; USPAT | OR | ON | 2007/06/25 17:00 |

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|------|-----|---|--|----|-----|---------------------|
| S143 | 78 | ((118/725,728-732.ccls. 156/345.51-345.55.ccls.) and ((electrode anode cathode) same (mesa bump projection protuberance))) | US-PGPUB; USPAT | OR | ON | 2007/06/25 17:01 |
| S144 | 80 | ((118/725,728-732.ccls. 156/345.51-345.55.ccls.) and ((electrode anode cathode) same (mesa bump projection protuberance))) | US-PGPUB; USPAT | OR | ON | 2007/06/25 17:01 |
| S145 | 5 | ((118/725,728-732.ccls. 156/345.51-345.55.ccls.) and ((electrode anode cathode) same (mesa bump projection protuberance))) and (diamond\$1like) | US-PGPUB; USPAT | OR | ON | 2007/06/25 17:01 |
| S146 | 2 | ("5711814").URPN. | USPAT | OR | ON | 2007/06/25 17:28 |
| S147 | 5 | ((("5586736") or ("5645900") or ("5711814") or ("5846613") or ("7160616")).PN. | US-PGPUB; USPAT | OR | OFF | 2007/06/25 17:29 |
| S148 | 2 | ((("5583736") or ("7160616")).PN. | US-PGPUB; USPAT | OR | OFF | 2007/07/27 17:30 |
| S149 | 1 | ("4981408").PN. | US-PGPUB; USPAT | OR | OFF | 2007/07/27 18:26 |
| S150 | 2 | ((("6340501") or ("5227203")).PN. | US-PGPUB; USPAT | OR | OFF | 2007/07/27 18:28 |
| S151 | 4 | ((("6440277") or ("4313254") or ("20020102818") or ("6264747")).PN. | US-PGPUB; USPAT | OR | OFF | 2007/07/27 18:28 |
| S152 | 101 | (US-20050252454-\$ or US- 20050183669-\$ or US- 20030047283-\$ or US- 20060075969-\$ or US- 20050045106-\$ or US- 20040244695-\$ or US- 20040055709-\$ or US- 20030069632-\$ or US- 20050163985-\$ or US- 20040018749-\$ or US- 20030168168-\$ or US- 20030162314-\$ or US- 20050022746-\$).did. or (US-7160616-\$ or US- 5583736-\$ or US-6508911- \$ or US-5466431-\$ or US- 5352493-\$ or US-H000566- \$ or US-5638251-\$ or US- 5695565-\$ or US-6579833- \$ or US-5508071-\$ or US- | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/29 20:16 |

5507874-\$ or US-5786068-
\$ or US-5728465-\$ or US-
7019399-\$ or US-6998636-
\$ or US-6472062-\$ or US-
6228471-\$ or US-6200675-
\$ or US-6669996-\$ or US-
6468642-\$ or US-6696157-
\$ or US-5763851-\$ or US-
5718976-\$ or US-5795648-
\$ or US-4886565-\$ or US-
6753507-\$).did. or (US-
6749729-\$ or US-6595506-
\$ or US-5711814-\$ or US-
6256187-\$ or US-5812362-
\$ or US-5166856-\$ or US-
6135054-\$ or US-5935323-
\$ or US-5846613-\$ or US-
5820723-\$ or US-5989511-
\$ or US-6537429-\$ or US-
6015597-\$ or US-5952060-
\$ or US-6551718-\$ or US-
6851644-\$ or US-RE37294-
\$ or US-5482602-\$ or US-
5669644-\$ or US-5903428-
\$ or US-5629086-\$ or US-
5523121-\$).did. or (WO-
2005054539-\$ or WO-
9641034-\$ or WO-9640446-
\$ or WO-9639943-\$ or EP-
856592-\$ or WO-9740207-
\$ or WO-9712757-\$ or WO-
9833948-\$ or FR-2726834-
\$ or EP-322812-\$).did. or
(JP-01167211-\$ or JP-
2002246455-\$ or JP-
06025856-\$ or JP-
06348154-\$ or JP-
2000153630-\$ or JP-
08052835-\$ or JP-
04026117-\$ or JP-
10217103-\$).did. or (WO-
200159175-\$ or WO-
2005054540-\$ or WO-
2005054539-\$ or US-
5466431-\$ or US-5352493-
\$ or JP-01167211-\$ or EP-
856592-\$ or JP-10096082-
\$ or DE-1004004177-\$ or
US-5786068-\$ or WO-
2006001340-\$ or JP-
2003025134-\$ or US-
5645900-\$ or US-5643423-
\$ or EP-787222-\$ or JP-
07243045-\$ or EP-322812-
\$ or JP-04026117-\$ or JP-
2006110636-\$ or EP-
584707-\$ or JP-
2000178736-\$ or JP-
3057077-\$).did.

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|------|------|--|----------------------|----|-----|---------------------|
| S153 | 1 | "20020075624" | US-PGPUB; USPAT | OR | ON | 2007/07/29 20:18 |
| S154 | 3011 | nano\$1composite | US-PGPUB; USPAT | OR | ON | 2007/07/29 20:18 |
| S155 | 16 | nano\$1composite and S152 | US-PGPUB; USPAT | OR | ON | 2007/07/29 21:35 |
| S156 | 6 | nano\$1composite and S152 and titanium | US-PGPUB; USPAT | OR | ON | 2007/07/29 20:35 |
| S157 | 11 | "87836" | EPO; JPO; DERWENT | OR | ON | 2007/07/29 20:39 |
| S158 | 1 | "7160616" and dop\$3 | US-PGPUB; USPAT | OR | ON | 2007/07/29 20:40 |
| S159 | 25 | resistivity and S152 | US-PGPUB; USPAT | OR | ON | 2007/07/29 21:57 |
| S160 | 1 | ("5583736").PN. | US-PGPUB; USPAT | OR | OFF | 2007/07/29 22:16 |
| S161 | 3649 | "silicon dioxide" with ceramic | US-PGPUB; USPAT | OR | ON | 2007/07/29 22:17 |
| S162 | 597 | S161 and electrostatic\$4 | US-PGPUB; USPAT | OR | ON | 2007/07/29 22:16 |
| S163 | 13 | "silicon dioxide" with ceramic with electrostatic \$5 | US-PGPUB; USPAT | OR | ON | 2007/07/29 22:17 |
| S164 | 1 | ("7160616").PN. | US-PGPUB; USPAT | OR | OFF | 2007/07/30 11:21 |
| S165 | 1 | ("5352493").PN. | US-PGPUB; USPAT | OR | OFF | 2007/07/30 12:14 |
| S166 | 3 | ((("5583736") or ("7160616") or ("5352493"))).PN. | US-PGPUB; USPAT | OR | OFF | 2007/07/30 12:14 |
| S167 | 0 | S166 and ("aluminum oxide" "aluminum nitride" alumina "al.sub.2.o.sub.3" "aln") | US-PGPUB; USPAT | OR | ON | 2007/07/30 12:20 |
| S168 | 2 | 10/786,876 | US-PGPUB; USPAT | OR | ON | 2007/07/30 14:00 |
| S169 | 2 | S168 and ("aluminum oxide" "aluminum nitride" alumina "al.sub.2.o.sub.3" "aln") | US-PGPUB; USPAT | OR | ON | 2007/07/30 12:17 |
| S170 | 2 | S166 and (dielectric ceramic) | US-PGPUB; USPAT | OR | ON | 2007/07/30 12:18 |

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|------|-----|--|--|----|----|---------------------|
| S171 | 101 | (US-20050183669-\$ or US-20060075969-\$ or US-20050252454-\$ or US-20050163985-\$ or US-20050022746-\$ or US-20050045106-\$ or US-20040018749-\$ or US-20040244695-\$ or US-20040055709-\$ or US-20030047283-\$ or US-20030168168-\$ or US-20030162314-\$ or US-20030069632-\$).dtd. or (US-7019399-\$ or US-7160616-\$ or US-6753507-\$ or US-6998636-\$ or US-6696157-\$ or US-6851644-\$ or US-6749729-\$ or US-6579833-\$ or US-6669996-\$ or US-6595506-\$ or US-6508911-\$ or US-6551718-\$ or US-6537429-\$ or US-RE37294-\$ or US-6472062-\$ or US-6468642-\$ or US-6135054-\$ or US-6256187-\$ or US-6228471-\$ or US-6015597-\$ or US-5989511-\$ or US-6200675-\$ or US-5903428-\$ or US-5846613-\$ or US-5952060-\$ or US-5795648-\$).dtd. or (US-5935323-\$ or US-5820723-\$ or US-5728465-\$ or US-5812362-\$ or US-5786068-\$ or US-5711814-\$ or US-5763851-\$ or US-5629086-\$ or US-5718976-\$ or US-5695565-\$ or US-5508071-\$ or US-5669644-\$ or US-5638251-\$ or US-5482602-\$ or US-5466431-\$ or US-5583736-\$ or US-5523121-\$ or US-5166856-\$ or US-5507874-\$ or US-5352493-\$ or US-4886565-\$ or US-H000566-\$).dtd. or (WO-9740207-\$ or WO-9712757-\$ or WO-9640446-\$ or FR-2726834-\$ or EP-322812-\$ or WO-2005054539-\$ or WO-9833948-\$ or EP-856592-\$ or WO-9641034-\$ or WO-9639943-\$).dtd. or (JP-2002246455-\$ or JP-2000153630-\$ or JP-10217103-\$ or JP-08052835-\$ or JP-06348154-\$ or JP-06025856-\$ or JP-04026117-\$ or JP- | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/30 12:19 |
|------|-----|--|--|----|----|---------------------|

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| | | 01167211-\$).did. or (DE-1004004177-\$ or WO-2005054539-\$ or WO-200159175-\$ or JP-2000178736-\$ or EP-856592-\$ or US-5645900-\$ or US-5643423-\$ or EP-787222-\$ or JP-07243045-\$ or JP-2006110636-\$ or WO-2006001340-\$ or US-5352493-\$ or JP-04026117-\$ or WO-2005054540-\$ or EP-322812-\$ or JP-2003025134-\$ or JP-3057077-\$ or JP-10096082-\$ or US-5786068-\$ or US-5466431-\$ or EP-584707-\$ or JP-01167211-\$).did. | | | | |
| S172 | 34 | S171 and ("aluminum oxide" "aluminum nitride" alumina "al.sub.2.o.sub.3" "aln") | US-PGPUB; USPAT | OR | ON | 2007/07/30 12:41 |
| S173 | 1 | ("5728465").PN. | US-PGPUB; USPAT | OR | OFF | 2007/07/30 12:41 |
| S174 | 2 | "200179585" | EPO; JPO; DERWENT | OR | ON | 2007/07/30 14:07 |
| S175 | 1 | ("6740393").PN. | US-PGPUB; USPAT | OR | OFF | 2007/07/30 14:40 |
| S176 | 1830 | 118/719.ccls. | US-PGPUB; USPAT | OR | ON | 2007/07/30 14:40 |
| S177 | 7 | S176 and turner.in. | US-PGPUB; USPAT | OR | ON | 2007/07/30 14:40 |
| S178 | 0 | S176 and "dual.ti." | US-PGPUB; USPAT | OR | ON | 2007/07/30 14:41 |
| S179 | 9 | S176 and dual.ti. and applied.as. | US-PGPUB; USPAT | OR | ON | 2007/07/30 14:41 |
| S180 | 2 | ((("5583736") or ("7160616"))).PN. | US-PGPUB; USPAT | OR | OFF | 2008/02/26 11:26 |
| S181 | 2 | ((("20030047283") or ("20040055709"))).PN. | US-PGPUB; USPAT | OR | OFF | 2008/09/29 18:36 |
| S182 | 0 | 0201611a3 | EPO; JPO; DERWENT | OR | ON | 2008/09/29 19:32 |
| S183 | 1 | "0201611" | EPO; JPO; DERWENT | OR | ON | 2008/09/29 19:33 |
| S184 | 0 | "09602002" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/09/29 19:44 |
| S185 | 0 | "09/602,002" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/09/29 19:44 |
| S186 | 3 | ((("5969934") or ("7160616") or ("5583736"))).PN. | US-PGPUB; USPAT | OR | OFF | 2009/04/13 04:52 |

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|------|-------|---|----------------------|----|-----|---------------------|
| S187 | 1 | ("20040055709").PN. | US-PGPUB; USPAT | OR | OFF | 2009/04/13 05:19 |
| S188 | 1 | ("6176667").PN. | US-PGPUB; USPAT | OR | OFF | 2009/09/28 13:48 |
| S189 | 1 | "11711492" | US-PGPUB; USPAT | OR | ON | 2009/09/28 13:52 |
| S190 | 1 | ("20040055709").PN. | US-PGPUB; USPAT | OR | OFF | 2009/09/28 14:21 |
| S191 | 4 | ((("20040055709") or ("5583736") or ("5969934") or ("7160616")).PN. | US-PGPUB; USPAT | OR | OFF | 2009/09/28 14:49 |
| S192 | 3 | 10/786876 | US-PGPUB; USPAT | OR | ON | 2009/09/28 16:28 |
| S193 | 10532 | "titanium layer" | US-PGPUB; USPAT | OR | ON | 2010/06/08 11:24 |
| S194 | 103 | "titanium layer" and "118"/ \$.ccls. | US-PGPUB; USPAT | OR | ON | 2010/06/08 11:24 |
| S195 | 16 | ("titanium layer" near3 (pure consist\$4 compris\$4 elemental)) and "118"/\$. ccls. | US-PGPUB; USPAT | OR | ON | 2010/06/08 11:26 |
| S196 | 3247 | (diamond with carbon) same titanium | US-PGPUB; USPAT | OR | ON | 2010/06/08 12:30 |
| S197 | 1310 | (diamond with carbon)and titanium | EPO; JPO; DERWENT | OR | ON | 2010/06/08 12:30 |
| S198 | 1310 | (diamond with carbon) and titanium | EPO; JPO; DERWENT | OR | ON | 2010/06/08 12:30 |
| S199 | 234 | (diamond with carbon) and titanium and (adhes\$5) | EPO; JPO; DERWENT | OR | ON | 2010/06/08 12:31 |
| S200 | 59 | (diamond with carbon) and titanium and (adhes\$5) and ceramic | EPO; JPO; DERWENT | OR | ON | 2010/06/08 12:31 |
| S201 | 99 | ((diamond with carbon) same titanium) and ("118"/ \$.ccls. 156/345, \$.ccls. 204/298, \$.ccls. 279/128, ccls 361/234.ccls.) | US-PGPUB; USPAT | OR | ON | 2010/06/08 12:50 |
| S202 | 1 | ("6658895").PN. | US-PGPUB; USPAT | OR | OFF | 2010/06/08 13:06 |
| S203 | 3 | ((("5112025") or ("5474816") or ("5763087")).PN. | US-PGPUB; USPAT | OR | OFF | 2010/06/08 13:06 |
| S204 | 3247 | ((diamond with carbon) same titanium) | US-PGPUB; USPAT | OR | ON | 2010/06/08 13:51 |
| S205 | 575 | S204 and "428"/\$.ccls. | US-PGPUB; USPAT | OR | ON | 2010/06/08 13:51 |
| S206 | 128 | ((diamond with carbon) same (titanium with adhes \$5)) | US-PGPUB; USPAT | OR | ON | 2010/06/08 13:51 |

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|------|----|---|---------------------------|----|----|---------------------|
| S207 | 32 | S206 and "428"/\$.ccls. | US-PGPUB; USPAT | OR | ON | 2010/06/08 13:52 |
| S208 | 44 | ((diamond with carbon) same (titanium near5 adhes \$5)) | US-PGPUB; USPAT | OR | ON | 2010/06/08 13:52 |
| S209 | 4 | ((diamond with carbon) same (titanium near5 adhes \$5)) and electrostatic\$4 | US-PGPUB; USPAT | OR | ON | 2010/06/08 13:58 |
| S210 | 4 | ("5190807" "5440507" "5879823" "6593015"). PN OR ("7646080").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/06/08 17:03 |
| S211 | 1 | "11889582" | US-PGPUB; USPAT | OR | ON | 2010/06/09 14:25 |
| S212 | 1 | "11889582" and etch | US-PGPUB; USPAT | OR | ON | 2010/06/09 14:26 |
| S213 | 1 | "11889582" and etch\$3 | US-PGPUB; USPAT | OR | ON | 2010/06/09 14:26 |
| S214 | 6 | electrostatic\$4.clm. and (diamond with carbon with like).clm. and titanium.clm. and (ceramic dielectric). clm. | US-PGPUB; USPAT | OR | ON | 2010/06/09 15:43 |
| S215 | 25 | electrostatic\$4.clm. and (diamond with carbon with like).clm. and (ceramic dielectric).clm. | US-PGPUB; USPAT | OR | ON | 2010/06/09 15:50 |
| S216 | 19 | S215 not S214 | US-PGPUB; USPAT | OR | ON | 2010/06/09 15:50 |
| S217 | 2 | ("6535371").PN. OR ("6636413").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/06/09 16:02 |
| S218 | 2 | "07245336" | EPO; JPO; DERWENT | OR | ON | 2010/06/09 16:05 |
| S219 | 2 | "08055900" | EPO; JPO; DERWENT | OR | ON | 2010/06/09 16:06 |
| S220 | 37 | ("4480284" "4621761" "4624897" "4672503" "4770946" "4810563" "4997698" "5043305" "5103367" "5104834" "5131842" "5207437" "5256469" "5280156" "5340783" "5426558" "5470664" "5543130" "5606484" "5607541" "5616024" "5665260" "5671116" "5700423" "5720818" "5745331" "5751537" "5800618" "5876119" "6055150" "6104596" "6159297"). PN. OR ("6535371").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/06/09 16:06 |

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|------|-----|---|----------------------|----|-----|---------------------|
| S221 | 0 | (electrostatic\$4 and (diamond with carbon with like) and titanium and (ceramic dielectric)) and S220 | US-PGPUB; USPAT | OR | ON | 2010/06/09 16:07 |
| S222 | 1 | (electrostatic\$4 and (diamond with carbon with like) and (ceramic dielectric)) and S220 | US-PGPUB; USPAT | OR | ON | 2010/06/09 16:07 |
| S223 | 0 | (electrostatic\$4 and (diamond with carbon with like) and (ceramic dielectric)) and S220 and (adher\$4 adhesiv\$4) | US-PGPUB; USPAT | OR | ON | 2010/06/09 16:08 |
| S224 | 1 | (electrostatic\$4 and (diamond with carbon with like) and (ceramic dielectric)) and S220 and (adher\$4 adhes\$6) | US-PGPUB; USPAT | OR | ON | 2010/06/09 16:08 |
| S225 | 1 | ("5851298").PN. | US-PGPUB; USPAT | OR | OFF | 2010/06/09 16:28 |
| S226 | 1 | "0138600" | EPO; JPO; DERWENT | OR | ON | 2010/06/09 16:29 |
| S227 | 20 | "972472" | EPO; JPO; DERWENT | OR | ON | 2010/06/09 16:31 |
| S228 | 7 | "992472" | EPO; JPO; DERWENT | OR | ON | 2010/06/09 16:31 |
| S229 | 974 | electrostatic\$4 and (diamond with carbon with like) and (ceramic dielectric) and (titanium) | US-PGPUB; USPAT | OR | ON | 2010/06/09 16:32 |
| S230 | 177 | electrostatic\$4 and (diamond with carbon with like) and (ceramic dielectric) and ((titanium) with (adher\$4 adhes\$6)) | US-PGPUB; USPAT | OR | ON | 2010/06/09 16:33 |
| S231 | 0 | electrostatic\$4 and (diamond with carbon with like) and (ceramic dielectric) and ((titanium) with (adher\$4 adhes\$6)) | EPO; JPO; DERWENT | OR | ON | 2010/06/09 16:33 |
| S232 | 10 | electrostatic\$4 and (diamond with carbon with like) and (ceramic dielectric) and (titanium) | EPO; JPO; DERWENT | OR | ON | 2010/06/09 16:33 |
| S233 | 1 | electrostatic\$4 and (diamond with carbon with like) and (ceramic dielectric) and ((metal\$4) with (adher\$4 adhes\$6)) | EPO; JPO; DERWENT | OR | ON | 2010/06/09 16:36 |

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|------|-----|---|------------------------------------|----|-----|------------------|
| S234 | 366 | electrostatic\$4 and (diamond with carbon with like) and (ceramic dielectric) and ((titanium metal\$4) with (adher\$4 adhes\$6)) | US-PGPUB; USPAT | OR | ON | 2010/06/09 16:37 |
| S235 | 49 | (electrostatic\$4 with (chuck \$4 hold\$4 susceptor table support\$4)) and (diamond with carbon with like) and (ceramic dielectric) and ((titanium metal\$4) with (adher\$4 adhes\$6)) | US-PGPUB; USPAT | OR | ON | 2010/06/09 16:37 |
| S236 | 1 | ("5656093").PN. | US-PGPUB; USPAT | OR | OFF | 2010/06/09 18:00 |
| S237 | 1 | "0201611" | EPO; JPO; DERWENT | OR | ON | 2010/06/09 18:02 |
| S238 | 4 | "2005083752" | EPO; JPO; DERWENT | OR | ON | 2010/06/09 18:19 |
| S239 | 594 | electrostatic\$4 and ((ceramic dielectric) (diamond with like with carbon)) and ((titanium) with (intermediate interlayer)) | US-PGPUB; USPAT | OR | ON | 2010/06/09 19:03 |
| S240 | 47 | electrostatic\$4 and ((ceramic dielectric) and (diamond with like with carbon)) and ((titanium) with (intermediate interlayer)) | US-PGPUB; USPAT | OR | ON | 2010/06/09 19:03 |
| S241 | 15 | electrostatic\$4 and ((ceramic dielectric) and (diamond with like with carbon)) and (titanium) with (interlayer) | US-PGPUB; USPAT | OR | ON | 2010/06/09 19:04 |
| S242 | 116 | (US-20050183669-\$ or US-20060075969-\$ or US-20050252454-\$ or US-20050163985-\$ or US-20050022746-\$ or US-20050045106-\$ or US-20040018749-\$ or US-20040244695-\$ or US-20040055709-\$ or US-20030047283-\$ or US-20030168168-\$ or US-20030162314-\$ or US-20030069632-\$ or US-20030035905-\$ or US-20020109954-\$ or US-20090284894-\$ or US-20030064225-\$ or US-20090142599-\$).did. or (US-7019399-\$ or US-7160616-\$ or US-6753507- | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2010/06/09 19:06 |

\$ or US-6998636-\$ or US-6696157-\$ or US-6851644-\$ or US-6749729-\$ or US-6579833-\$ or US-6669996-\$ or US-6595506-\$ or US-6508911-\$ or US-6551718-\$ or US-6537429-\$ or US-RE37294-\$ or US-6472062-\$ or US-6468642-\$ or US-6135054-\$ or US-6256187-\$ or US-6228471-\$ or US-6015597-\$ or US-5989511-\$ or US-6200675-\$ or US-5903428-\$ or US-5846613-\$ or US-5952060-\$ or US-5795648-\$).did. or (US-5935323-\$ or US-5820723-\$ or US-5728465-\$ or US-5812362-\$ or US-5786068-\$ or US-5711814-\$ or US-5763851-\$ or US-5629086-\$ or US-5718976-\$ or US-5695565-\$ or US-5508071-\$ or US-5669644-\$ or US-5638251-\$ or US-5482602-\$ or US-5466431-\$ or US-5583736-\$ or US-5523121-\$ or US-5166856-\$ or US-5507874-\$ or US-5352493-\$ or US-4886565-\$ or US-H000566-\$ or US-5032243-\$ or US-6197120-\$ or US-5112025-\$ or US-4902535-\$ or US-4933058-\$).did. or (US-5009966-\$ or US-6628598-\$ or US-6636413-\$ or US-5656093-\$).did. or (WO-9740207-\$ or WO-9712757-\$ or WO-9640446-\$ or FR-2726834-\$ or EP-322812-\$ or WO-2005054539-\$ or WO-9833948-\$ or EP-856592-\$ or WO-9641034-\$ or WO-9639943-\$).did. or (JP-2002246455-\$ or JP-2000153630-\$ or JP-10217103-\$ or JP-08052835-\$ or JP-06348154-\$ or JP-06025856-\$ or JP-04026117-\$ or JP-01167211-\$).did. or (DE-1004004177-\$ or WO-2005054539-\$ or WO-200159175-\$ or JP-2000178736-\$ or EP-856592-\$ or US-5645900-\$ or US-5643423-\$ or EP-787222-\$ or JP-07243045-\$ or JP-2006110636-\$ or

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|------|----|---|--------------------|----|-----|---------------------|
| | | WO-2006001340-\$ or US-5352493-\$ or JP-04026117-\$ or WO-2005054540-\$ or EP-322812-\$ or JP-2003025134-\$ or JP-3057077-\$ or JP-10096082-\$ or US-5786068-\$ or US-5466431-\$ or EP-584707-\$ or JP-01167211-\$ or WO-0201611-\$ or JP-10203896-\$ or US-20050183669-\$). did. | | | | |
| S243 | 33 | S242 and atomic | US-PGPUB; USPAT | OR | ON | 2010/06/09 19:06 |
| S244 | 20 | S242 and atomic with (("%" percent)) | US-PGPUB; USPAT | OR | ON | 2010/06/09 19:07 |
| S245 | 23 | 118/723\$,cols. and doping. ti. | US-PGPUB; USPAT | OR | ON | 2010/06/10 09:12 |
| S246 | 5 | ((("5603893") or ("6489585") or ("20010020582") or ("20060084158") or ("20060234472"))).PN. | US-PGPUB; USPAT | OR | OFF | 2010/06/10 09:17 |
| S247 | 1 | "12207585" and (coat\$4 deposit\$4 etch\$4) | US-PGPUB; USPAT | OR | ON | 2010/06/10 09:38 |
| S248 | 1 | "11990257" and "process tool" | US-PGPUB; USPAT | OR | ON | 2010/06/10 10:11 |
| S249 | 4 | ((("6298806") or ("5310426") or ("5144199") or ("5453125"))).PN. | US-PGPUB; USPAT | OR | OFF | 2010/06/10 10:35 |
| S250 | 1 | 11/844,382 and (gas liquid solution spray\$3 vapor) | US-PGPUB; USPAT | OR | ON | 2010/06/10 11:07 |
| S251 | 1 | 11/734,088 and (etch\$4 deposit\$4 coat\$4) | US-PGPUB; USPAT | OR | ON | 2010/06/10 11:14 |

EAST Search History (Interference)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|-------------|------------------|---------|------------------|
| L24 | 1 | (diamond with like with carbon).clm. and (carbon same hydrogen same oxygen same silicon) and electrostatic.clm. | USPAT; UPAD | OR | ON | 2010/06/21 07:05 |
| L25 | 1 | (diamond with carbon). clm. and (carbon same hydrogen same oxygen same silicon) and electrostatic.clm. | USPAT; UPAD | OR | ON | 2010/06/21 07:05 |

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|-----|---|---|-------------|----|----|------------------|
| L26 | 8 | (diamond with carbon). clm. and (carbon and hydrogen and oxygen and silicon) and electrostatic. clm. | USPAT; UPAD | OR | ON | 2010/06/21 07:05 |
| L32 | 0 | (diamond with like with carbon) and (carbon same hydrogen same oxygen same silicon same ("% " percent)) and electrostatic and friction and (roughness) and (hardness micro \$1hardness) | USPAT; UPAD | OR | ON | 2010/06/21 07:15 |

6/ 21/ 10 7:50:05 AM

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